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## CLAIMS

- 1. A protein derived from a mammal whose expression level in the suprachiasmatic nucleus (SCN) fluctuates with a circadian period.
  - 2. A protein of claim 1, wherein the mammal is a human.
  - 3. A protein of claim 1, wherein the mammal is a mouse.
- 4. A protein involved in the formation of circadian rhythm in the suprachiasmatic nucleus (SCN) comprising the amino acid sequence described in SEQ ID NO: 1 or said sequence in which one or more amino acids are substituted, deleted, or added.
  - 5. A protein involved in the formation of circadian rhythm in the suprachiasmatic nucleus (SCN) comprising the amino acid sequence described in SEQ ID NO: 2 or said sequence in which one or more amino acids are substituted, deleted, or added.
- 15 / 6. A protein involved in the formation of circadian rhythm in the suprachiasmatic nucleus (SCN) encoded by the DNA having a sequence described in SEQ ID NO: 3 or by DNA that hybridizes with the DNA described in SEQ ID NO: 3.
- 7. A protein involved in the formation of circadian rhythm in the suprachiasmatic nucleus (SCN) encoded by the DNA having a sequence described in SEQ ID NO: 4 or by DNA that hybridizes with the DNA described in SEQ ID NO: 4.
  - 8. DNA encoding the protein of any one of claims 1 to 5.
- 9. DNA having the sequence described in SEQ ID NO: 3 or DNA that hybridizes with the DNA having the sequence described in SEQ ID NO: 3, wherein the DNA encodes a protein involved in the formation of circadian rhythm in the suprachiasmatic nucleus (SCN).
  - 10. DNA having the sequence described in SEQ ID NO: 4 or DNA that hybridizes with the DNA having the sequence described in SEQ ID NO: 4, wherein the DNA encodes a protein involved in the formation of circadian rhythm in the suprachiasmatic nucleus (SCN).
    - 11. A vector carrying the DNA of any one of claims 8 to 10.
  - 12. A transformant expressibly retaining the DNA of any one of claims 8 to 10.
- 35 13. A method for producing the protein of any one of claims 1 to 7, the method comprising culturing the transformant of claim 12.

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